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TITLE: MICROPHONE SOUND SIGNAL
PROCESSING CIRCUIT

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ABSTRACT:

PURPOSE: To reduce a wind noise effectively when sound is gathered in the presence of a relatively strong wind by varying the cutoff frequency of a variable cutoff high-pass filter according to the output signal of a wind noise detecting means.

CONSTITUTION: It is discriminated that a signal in the band wherein the wind noise is distributed is dominant in the output signal of the variable cutoff high-pass filter 3, and a 2nd comparator 15 is put in operation. When the output signal of a 1st level detector 12 exceeds a certain level and a control signal which puts the 2nd comparator 15 in operation with the output signal of a 1st comparator 14 is inputted, the output of the 1st level detector 12 is outputted as it is. Then a time constant circuit 16 adds such a time constant that the rise time constant of the output signal of the 2nd comparator 15 is small and the fall time constant is large. Namely, when the detected quantity of the wind noise increases, the cutoff frequency of the variable cutoff high-pass filter 3 is shifted speedily to the high frequency side to reduce the wind noise.

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